

WHAT IS CLAIMED IS:

1. A transmission type display device comprising:

a backlight source;

a display element, which is disposed in front of the backlight source and includes at least one polarizer;

a light diffusing element, which is disposed in front of the display element; and

a polarizing element, which is disposed in front of the light diffusing element,

wherein the polarizer included in the display element faces the light diffusing element, and

wherein an absorption axis of the polarizing element is substantially aligned with that of the polarizer.

2. The device of claim 1, wherein the display element comprises:

a transmission type liquid crystal display panel, which includes a liquid crystal layer and a pair of transparent substrates that sandwiches the liquid crystal layer therebetween;

a first polarizer, which is disposed as an additional polarizer on the transmission type liquid crystal display panel so as to face the backlight source; and

a second polarizer, which is disposed as the at least one polarizer on the transmission type liquid crystal display panel so as to face the light diffusing element,

wherein an absorption axis of the second polarizer is substantially aligned with that of the polarizing element.

3. The device of claim 2, further comprising:

a first $\lambda/4$ retarder disposed between the second polarizer and the light diffusing element; and

a second $\lambda/4$ retarder disposed between the light diffusing element and the polarizing element,

wherein a slower axis of the first $\lambda/4$ retarder forms an angle of about 45 degrees with an absorption axis or transmission axis of the second polarizer, and

wherein a slower axis of the second $\lambda/4$ retarder forms an angle of about 90 degrees with that of the first $\lambda/4$ retarder.

4. The device of claim 2, wherein at least one of the first and second polarizers is integrated with an associated one of the transparent substrates.

5. The device of claim 1, wherein the display element comprises:

a guest host type liquid crystal display panel; and

the at least one polarizer disposed in front of a light outgoing plane of the guest host type liquid crystal display panel.

6. The device of claim 5, wherein the polarizer is integrated with a transparent substrate of the guest host type liquid crystal display panel, the transparent substrate being located closer to the light outgoing plane.

7. A transmission type display device comprising:

a backlight source;

a display element, which is disposed in front of the backlight source and outputs polarized light;

a light diffusing element, which is disposed in front of the display element; and

a polarizing element, which is disposed in front of the light diffusing element,

wherein an absorption axis of the polarizing element is defined so that substantially all of the polarized light that has been output from the display element is transmitted through the polarizing element.

8. A transmission type display device comprising:

a backlight source for emitting polarized light;

a guest host type liquid crystal display element, which is disposed in front of the backlight source; and

a polarizing element, which is disposed in front of the guest host type liquid crystal display element,

wherein an absorption axis of the polarizing element is

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defined so that substantially all of the polarized light is transmitted through the polarizing element.

9. An electronic apparatus comprising a transmission type display device, wherein the display device includes:

a backlight source;

a display element, which is disposed in front of the backlight source and includes at least one polarizer;

a light diffusing element, which is disposed in front of the display element; and

a polarizing element, which is disposed in front of the light diffusing element,

wherein the polarizer included in the display element faces the light diffusing element, and

wherein an absorption axis of the polarizing element is substantially aligned with that of the polarizer.

10. An electronic apparatus comprising a transmission type display device, wherein the display device includes:

a backlight source;

a display element, which is disposed in front of the backlight source and outputs polarized light;

a light diffusing element, which is disposed in front of the display element; and

a polarizing element, which is disposed in front of the

light diffusing element,

wherein an absorption axis of the polarizing element is defined so that substantially all of the polarized light that has been output from the display element is transmitted through the polarizing element.

11. An electronic apparatus comprising a transmission type display device, wherein the display device includes:

a backlight source for emitting polarized light;

a guest host type liquid crystal display element, which is disposed in front of the backlight source; and

a polarizing element, which is disposed in front of the guest host type liquid crystal display element,

wherein an absorption axis of the polarizing element is defined so that substantially all of the polarized light is transmitted through the polarizing element.

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